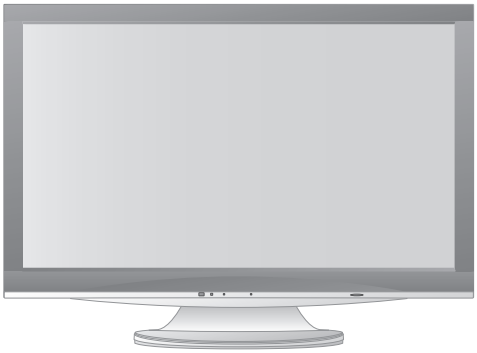


Panasonic

Operating Instructions
LCD Television

Model No. **TX-L32V10E**
TX-L37V10E

Contents

Be Sure to Read

- Safety Precautions (Warning / Caution) 2
- Notes 3
- Maintenance 3

Quick Start Guide

- Accessories / Options 4
- Identifying Controls 6
- Basic Connection 8
- Auto Setup 10
- How to Use Menu Functions 12

VIERA

VIERA Link

VIERA IMAGE VIEWER

VIERA CAST

Q Link

DVB

DiSEqC 1.0

dlna CERTIFIED

DIVX

DOLBY DIGITAL PLUS

dts Digital Out

AVCHD

FULL HD 1920×1080p

HD TV 1080p

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Please read these instructions before operating your set and retain them for future reference.
The images shown in this manual are for illustrative purposes only.
Please refer to Pan European Guarantee Card if you need to contact your local Panasonic dealer for assistance.

For more detailed instructions, refer to the Operating Instructions on the CD-ROM.
To view the Operating Instructions on the CD-ROM, you need a computer equipped with a CD-ROM drive, and Adobe® Reader® (Version 7.0 or later is recommended) installed on your computer.
Depending on the operating system or settings on your computer, the Operating Instructions may not start automatically.
In this case, open the PDF file under \MANUAL\PDF manually to view the instructions.

English

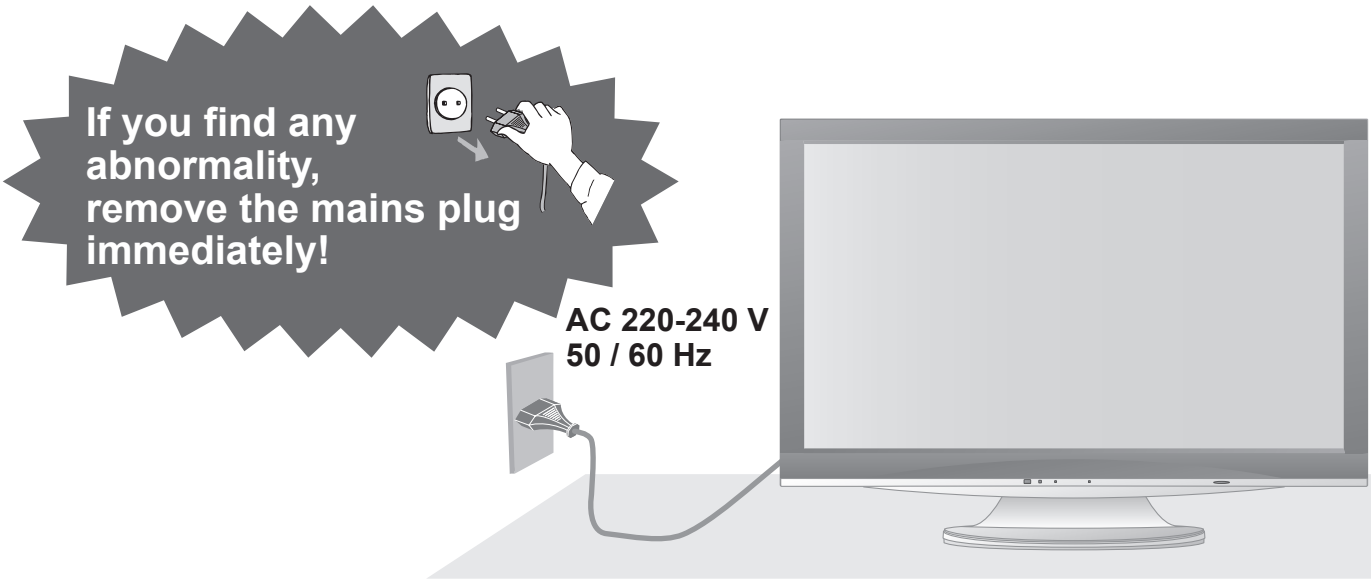
TQB0E0815U-G

Safety Precautions

Warning

Handling the mains plug and lead

- Insert the mains plug fully into the socket outlet. (If the mains plug is loose, it could generate heat and cause fire.)
- Ensure that the mains plug is easily accessible.
- Do not touch the mains plug with a wet hand. (This may cause electrical shock.)
- Do not damage the mains lead. (A damaged lead may cause fire or electrical shock.)
  - Do not move the TV with the lead plugged in the socket outlet.
  - Do not place a heavy object on the lead or place the lead near a high-temperature object.
  - Do not twist the lead, bend it excessively, or stretch it.
  - Do not pull on the lead. Hold onto the mains plug body when disconnecting lead.
  - Do not use a damaged mains plug or socket outlet.



Power source

- This TV is designed to operate on 220-240 V, 50 / 60 Hz AC.

Do not remove covers NEVER modify the TV yourself

(High-voltage components may cause serious electrical shock.)

- Have the TV checked, adjusted, or repaired at your local Panasonic dealer.

Keep liquids away from the TV

- To prevent damage which may result in fire or shock hazard, do not expose this appliance to dripping or splashing.
- Do not place containers with water (flower vase, cups, cosmetics, etc.) above the TV. (including on shelves above, etc.)

Do not expose to direct sunlight and other sources of heat

- Avoid exposing the TV to direct sunlight and other sources of heat. To prevent fire never place any type of candle or naked flame on top or near the TV.

Do not place foreign objects inside the TV

- Do not allow any objects to drop into the TV through the air vents (fire or electrical shock may result).

Do not place the TV on sloped or unstable surfaces

- The TV may fall off or tip over.

Use only the dedicated pedestals / mounting equipment

- Using an unapproved pedestal or other fixtures may make the TV unstable, risking injury. Be sure to ask your local Panasonic dealer to perform setup.
- Use approved pedestals / mounts (p. 4).

Do not allow children to handle SD Card

- As with a small object, SD Card can be swallowed by young children. Please remove SD Card immediately after use.

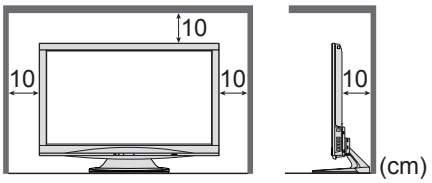
Notes

Caution

■When cleaning the TV, remove the mains plug
- Cleaning an energized TV may cause electrical shock.

■When the TV is not going to be used for a long period of time, remove the mains plug
- This TV will still consume some power even in the Off mode, as long as the mains plug is still connected to a live socket outlet.

■Allow sufficient space around the TV for radiated heat
Minimum distance



- When using the pedestal, keep the space between the bottom of the TV and the surface where the TV is set.
- In case of using Wall-hanging bracket, follow the manual of it.

■Do not block the rear air vents
- Blocked ventilation by newspapers, table cloths, curtains, etc. may cause overheating, fire or electrical shock.

■Do not expose your ears to excessive volume from the headphones
- Irreversible damage can be caused.

■Auto power standby function
- If no signal is received and no operation is performed in Analogue TV mode for 30 minutes, the TV will automatically go to standby mode.

■Keep the TV away from these types of equipment
- Electronic equipment
  In particular, do not place video equipment near the TV (electromagnetic interference may distort images / sound).
- Equipment with an infrared sensor
  This TV also emits infrared rays (this may affect operation of other equipment).

■Transport only in upright position

Maintenance

First, remove the mains plug from the socket outlet.

Display panel

Regular care: Gently wipe the surface clean of dirt by using a soft cloth.
Major contamination: Wipe the surface clean using a soft cloth dampened with clean water or diluted neutral detergent (1 part detergent to 100 parts water). Then, using a soft dry cloth, evenly wipe the surface clean until it is dry.

Caution

- The surface of the display panel has been specially treated and may be easily damaged.
  Do not tap or scratch the surface with your fingernail or other hard object.
- Take care not to subject the surface to insect repellent, solvent, thinner, or other volatile substances (this may degrade surface quality).

Cabinet, Pedestal

Regular care: Wipe the surface clean using a soft dry cloth.
Major contamination: Dampen a soft cloth with clean water or water containing a small amount of neutral detergent. Then, wring the cloth and wipe the surface clean with it. Finally, wipe the surface clean with a dry cloth.

Caution

- Take care not to subject the TV's surfaces to detergent (a liquid inside the TV could lead to product failure).
- Take care not to subject surfaces to insect repellent, solvent, thinner, or other volatile substances (this may deteriorate the surface by peeling the paint).
- Do not allow the cabinet and pedestal to make contact with a rubber or PVC substance for a long time.

Mains plug

Wipe the mains plug with a dry cloth at regular intervals. (Moisture and dust may lead to fire or electrical shock.)

Accessories / Options

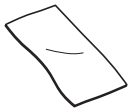
Standard accessories

Check that you have the accessories and items shown ☑

☐ Remote Control
- N2QAYB000353

☐ Batteries for the Remote Control (2)
- R6 (UM3)

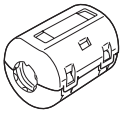
☐ Cleaning cloth



☐ Operating Instructions

☐ Pan European Guarantee Card

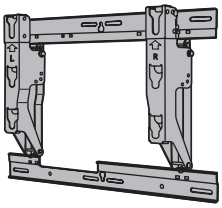
☐ Ferrite core
➡ p. 8



- This product contains possibly dangerous parts (such as plastic bags), that can be breathed in or swallowed by young children accidentally. Keep these parts out of reach of young children.

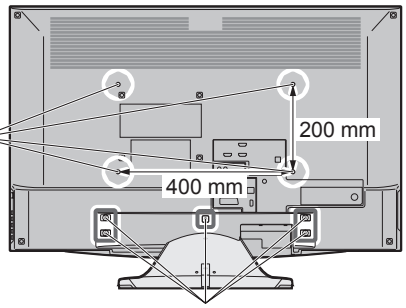
Optional accessories

Wall-hanging bracket
- TY-WK3L1RW



Please contact your nearest Panasonic dealer to purchase the recommended wall-hanging bracket. For additional details, please refer to the wall-hanging bracket installation manual.

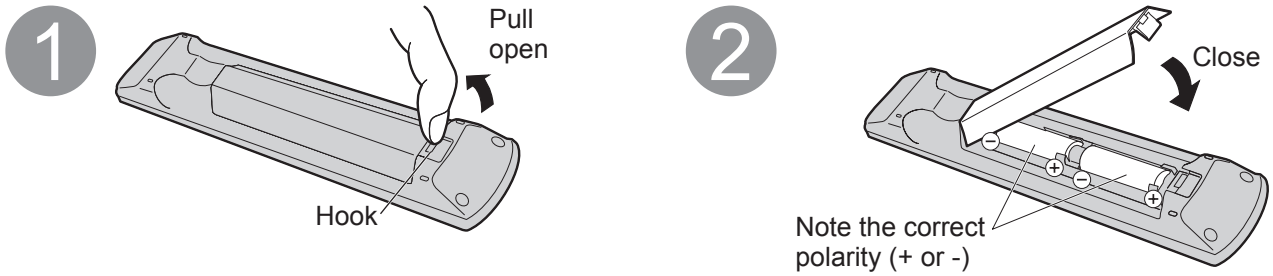
Rear of the TV



To remove the Pedestal
Remove five screws.

WARNING!
- Failure to use a Panasonic bracket or choosing to mount the unit yourself will be done at the risk of the consumer. Any damage resulting from not having a professional installer mount your unit will void your warranty.
- Always be sure to ask a qualified technician to carry out set-up.
  Incorrect fitting may cause equipment to fall, resulting in injury and product damage.
- Do not mount the unit directly below ceiling lights (such as spotlights, floodlights or halogen lights) which typically give off high heat. Doing so may warp or damage plastic cabinet parts.
- Take care when fixing wall brackets to the wall. Always ensure that there are no electrical cables or pipes in the wall before hanging bracket.
- To prevent fall and injury, remove the TV from its fixed wall position when it is no longer in use.

Installing / removing remote's batteries



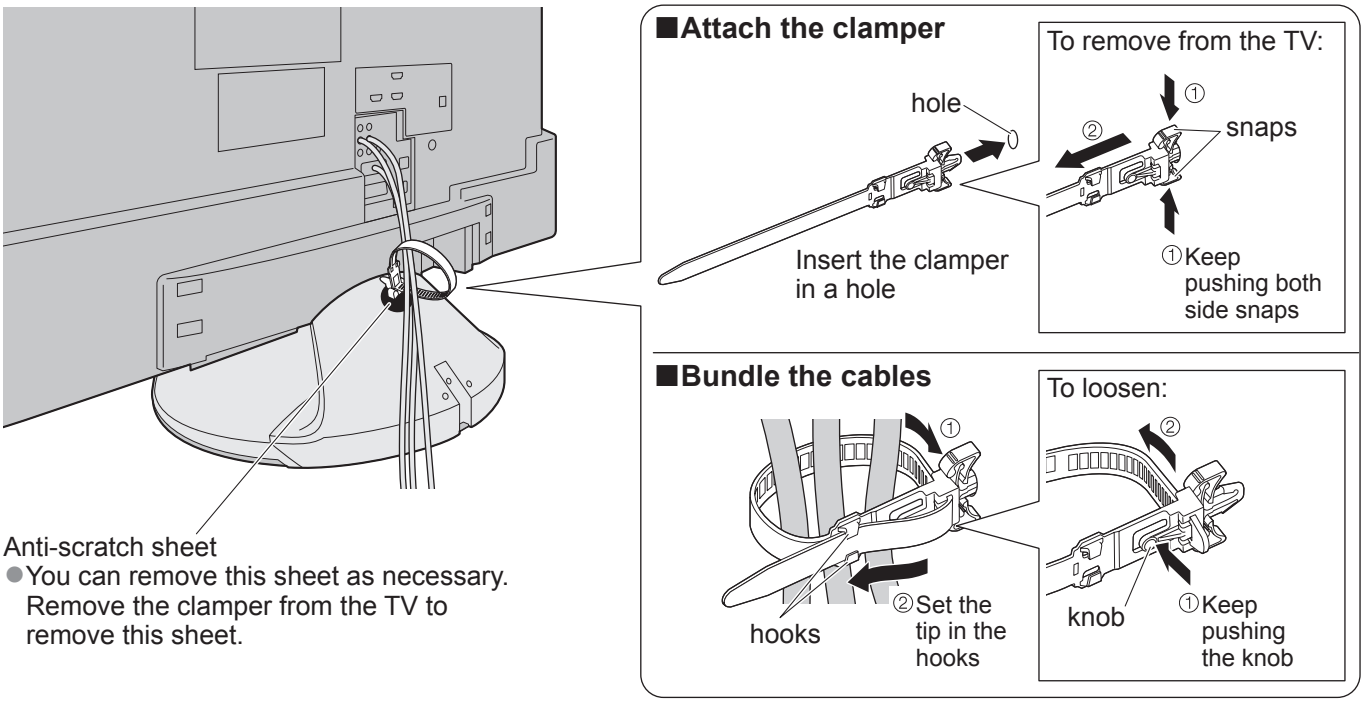
Caution

- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control.
- Do not mix old and new batteries.
- Do not mix different battery types (such as alkaline and manganese batteries).
- Do not use rechargeable (Ni-Cd) batteries.
- Do not burn or breakup batteries.
  Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

Using the clamper

Release the mains lead from the clamper and use to bundle the cables.

Rear of the TV



Anti-scratch sheet

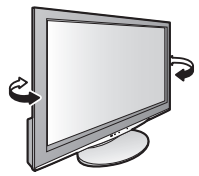
- You can remove this sheet as necessary.
  Remove the clamper from the TV to remove this sheet.

- Do not bundle the Satellite cable and mains lead together (could cause distorted image).
- Fix cables with clampers as necessary.
- When using the optional accessory, follow the option's assembly manual to fix cables.

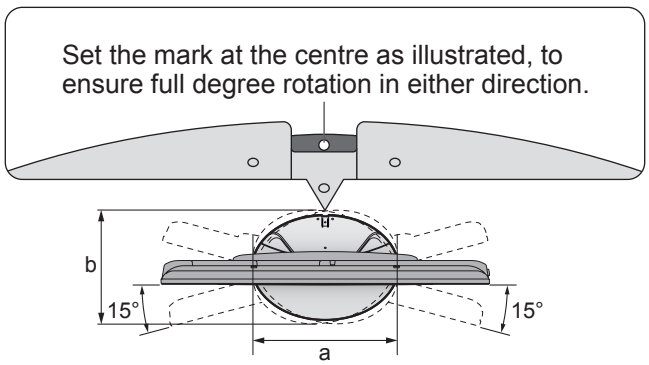
Accessories / Options

Adjust the panel to your desired angle

- Ensure that the pedestal does not hang over the edge of the base even if the TV swivels to the full rotation range.
- Do not place any objects or hands within the full rotation range.



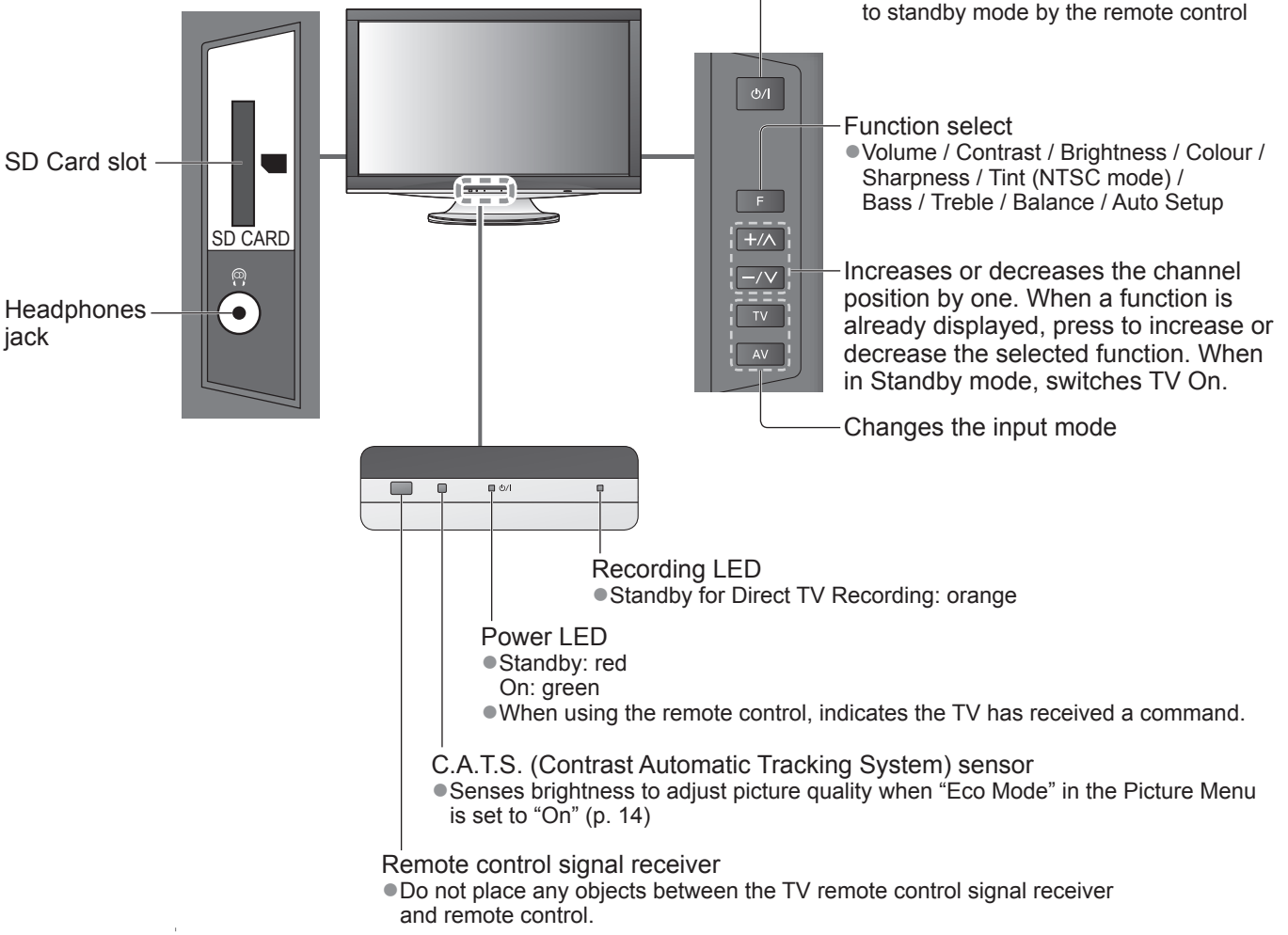
- TX-L32V10E
  a: 359 mm / b: 230 mm
- TX-L37V10E
  a: 399 mm / b: 296 mm



(View from the top)

Identifying Controls

TV


SD Card slot
SD CARD
Headphones jack
⏻/I
F
+/∧
−/∨
TV
AV
Mains power On / Off switch
Switch On to turn on the TV or turn the TV to standby mode by the remote control
Function select
Volume / Contrast / Brightness / Colour / Sharpness / Tint (NTSC mode) / Bass / Treble / Balance / Auto Setup
Increases or decreases the channel position by one. When a function is already displayed, press to increase or decrease the selected function. When in Standby mode, switches TV On.
Changes the input mode
Recording LED
Standby for Direct TV Recording: orange
Power LED
Standby: red
On: green
When using the remote control, indicates the TV has received a command.
C.A.T.S. (Contrast Automatic Tracking System) sensor
Senses brightness to adjust picture quality when “Eco Mode” in the Picture Menu is set to “On” (p. 14)
Remote control signal receiver
Do not place any objects between the TV remote control signal receiver and remote control.

Identifying Controls

Remote Control

VIERA IMAGE VIEWER
- Switches to SD Card viewing mode

Standby On / Off switch
- Switches TV On or Off standby

Aspect
- Changes aspect ratio from Aspect Selection list
- Also possible by pressing this button repeatedly until you reach the desired aspect

Main Menu
- Press to access Picture, Sound and Setup Menus

Channel / Programme Information
- Displays channel and programme information

VIERA Link Menu
- Accesses VIERA Link Menu

OK
- Confirms selections and choices
- Press after selecting channel positions to quickly change channel

Option Menu
- Easy setting for viewing and sound options

Coloured buttons
- Used for the selection, navigation and operation of various functions

Teletext
- Switches to teletext mode

Subtitles
- Displays subtitles

Numeric buttons
- Changes channel and teletext pages
- Sets characters
- When in Standby mode, switches TV On

Sound Mute
- Switches sound mute On or Off

Volume Up / Down

Input mode selection
- TV - switches DVB-S / DVB-C / DVB-T / Analogue mode
- AV - switches to AV input mode from Input Selection list

Direct TV Recording
- Records programme immediately in DVD Recorder / VCR with Q-Link or VIERA Link connection

VIERA CAST
- Displays VIERA CAST home screen

Exit
- Returns to the normal viewing screen

VIERA TOOLS
- Displays some special feature icons and accesses easily

Guide
- Displays TV Guide

Cursor buttons
- Makes selections and adjustments

Return
- Returns to the previous menu / page

Hold
- Freeze / unfreeze picture
- Holds the current teletext page (teletext mode)

Index
- Returns to the teletext index page (teletext mode)

Surround
- Switches Surround sound

Channel Up / Down
- Selects channel in sequence

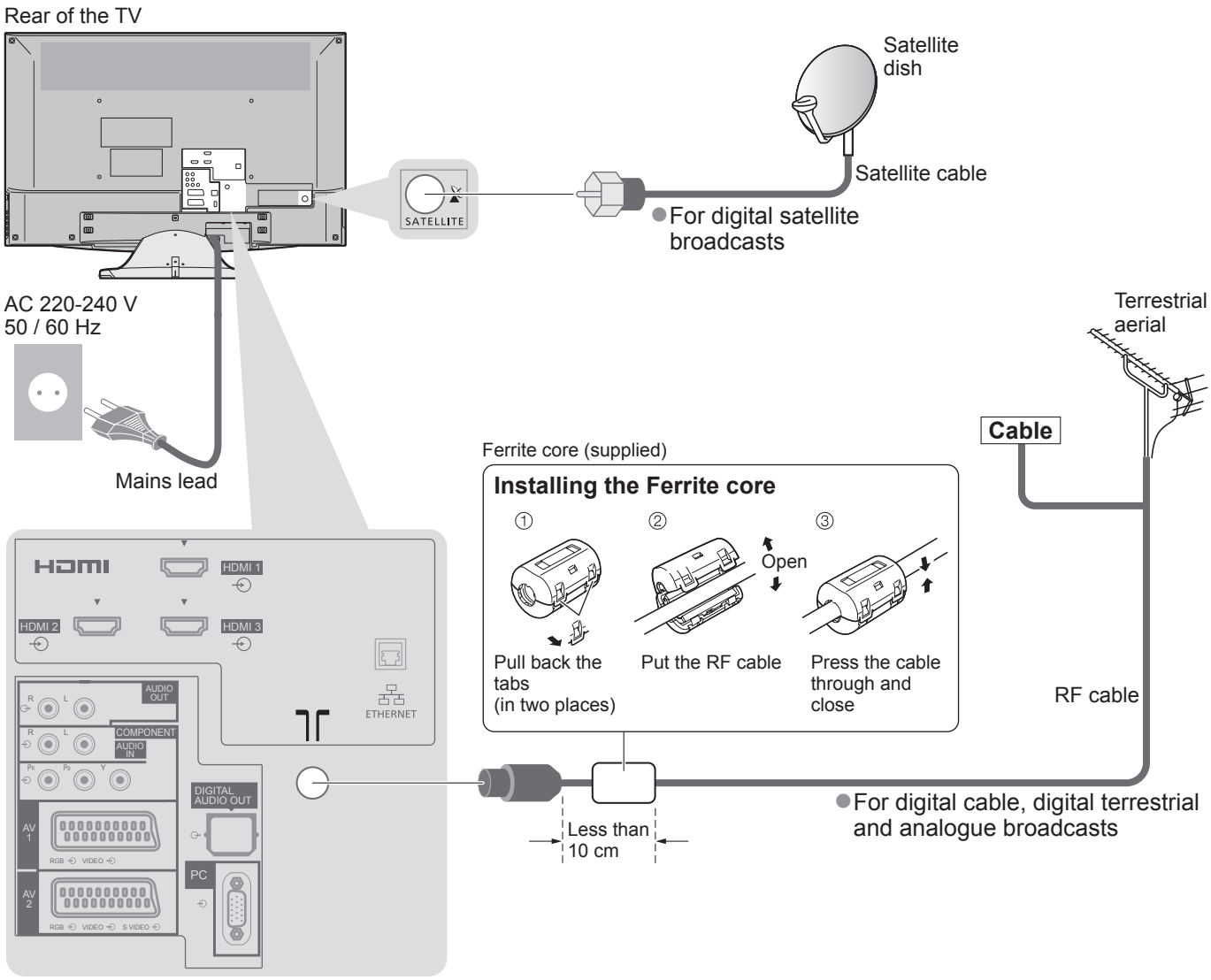
Connected equipment operations

Basic Connection

External equipment and cables shown are not supplied with this TV.
Please ensure that the unit is disconnected from the mains socket before attaching or disconnecting any leads.

Example 1
Connecting dish or aerial

TV only



■Selectable satellites and dish alignment to tune DVB-S channels:

- Turksat at 42° East
- Hellas at 39° East
- Astra at 28.2° East
- Arabsat at 26° East
- Astra at 23.5° East
- Astra at 19.2° East
- Eutelsat at 16° East
- Hot Bird at 13° East
- Eutelsat at 10° East
- Eurobird at 9° East
- Eutelsat at 7° East
- Sirius at 5° East
- Intelsat at 1° West
- Amos at 4° West
- Atl. Bird at 5° West
- Atl. Bird at 7° West
- Atl. Bird at 8° West
- Hispasat at 30° West

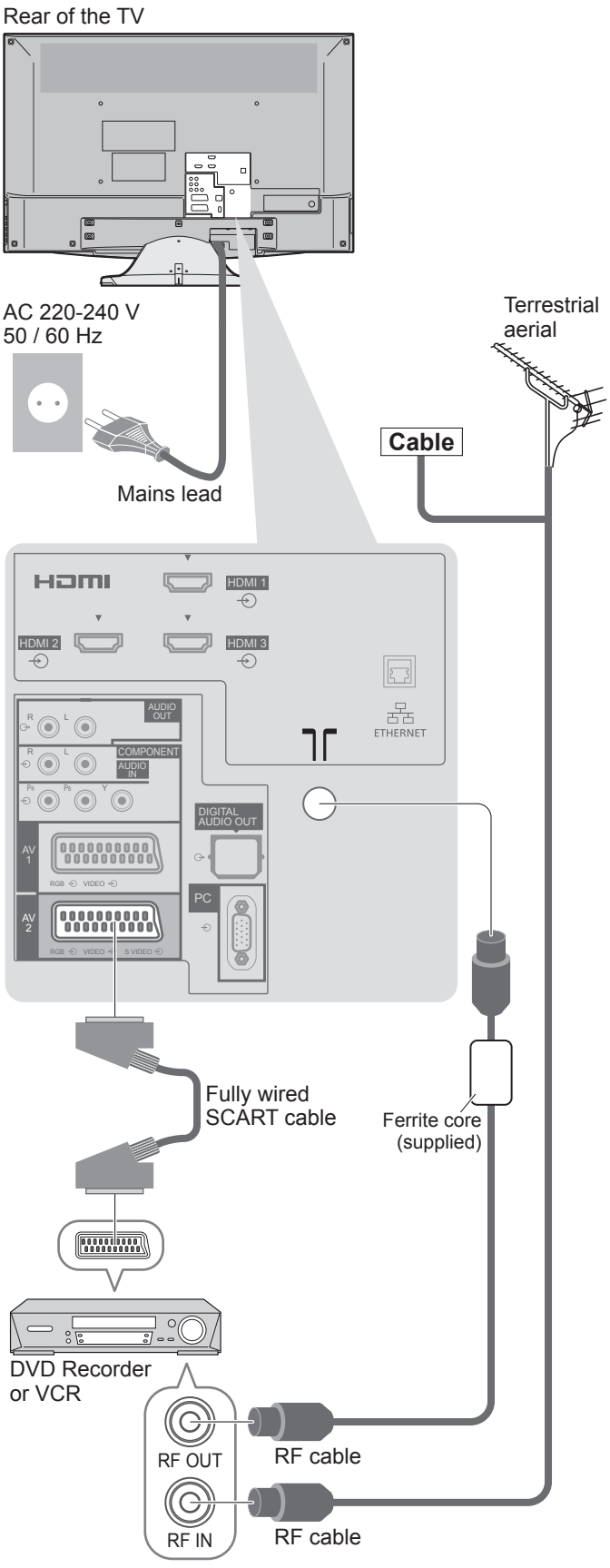
●To ensure your satellite dish is correctly installed, please consult your local dealer.
●Also please consult the received satellite broadcasting companies for details.

Note

●Keep the space between the TV and RF cable to prevent distorted image.
●Connect to the TV's AV1 / AV2 for a DVD Recorder / VCR supporting Q-Link.
●For HDMI-compatible equipment, possible to connect to HDMI terminals (HDMI1 / HDMI2 / HDMI3 / HDMI4) by using HDMI cable.
●Read the manual of the equipment too.

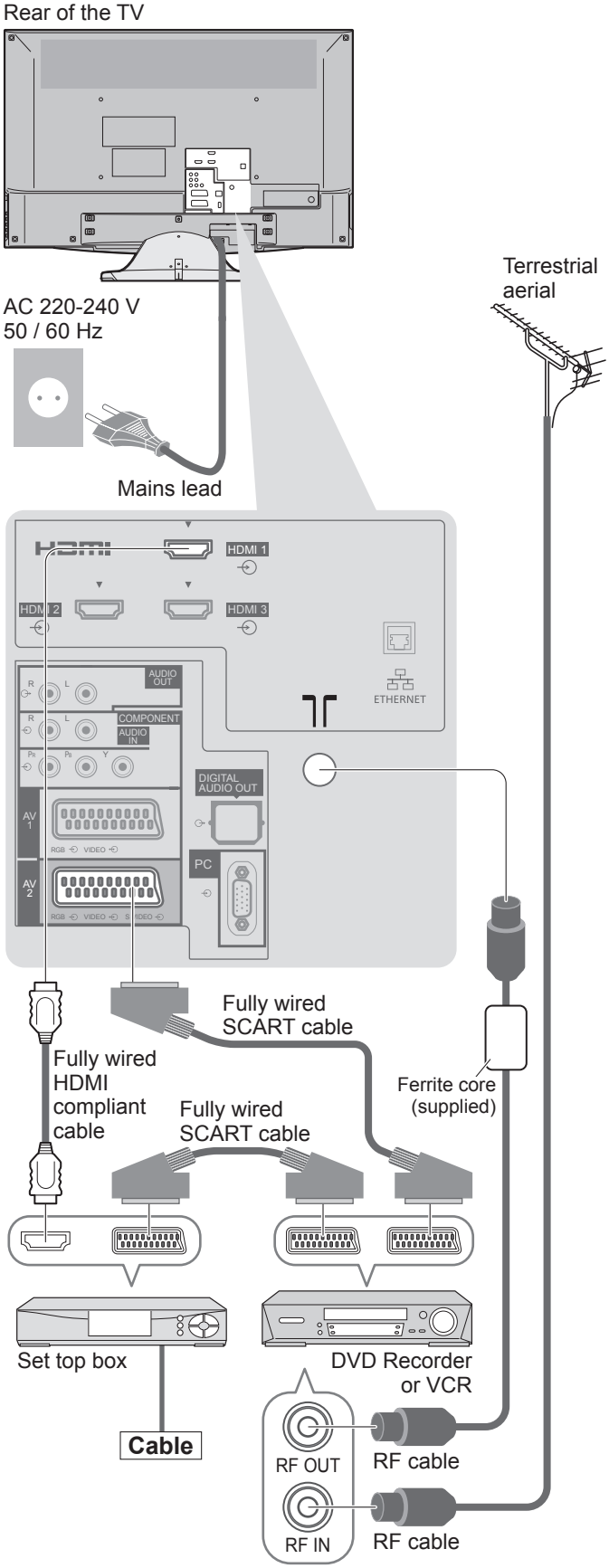
Example 2
Connecting DVD Recorder / VCR

TV, DVD Recorder or VCR



Example 3
Connecting DVD Recorder / VCR and Set top box

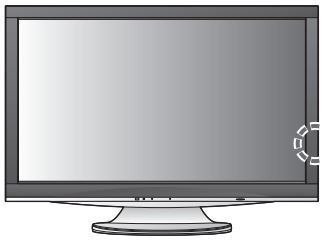
TV, DVD Recorder / VCR and Set top box



Auto Setup

Search and store TV channels automatically.

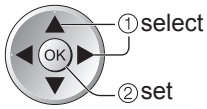
- These steps are not necessary if the setup has been completed by your local dealer.
- Please complete connections (p. 8 and p. 9) and settings (if necessary) of the connected equipment before starting Auto Setup. For details of settings for the connected equipment, read the manual of the equipment.



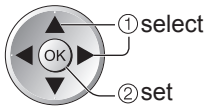
1 Plug the TV into mains socket and switch On

(Takes a few seconds to be displayed)

2 Select the language

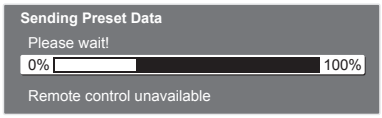


3 Select your country



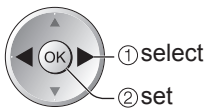
Auto Setup starts

- Auto Setup will start to search for TV channels and store them.
  The sorted channel order depends upon the TV signal, the broadcasting system and reception conditions.



- If Q-Link, VIERA Link or similar technology compatible recorder is connected, channel, language, country / region settings are automatically downloaded to the recorder.
- If downloading has failed, you can download later by the menu item.
  ➡ “Download” (p. 16)

4 Select “Home”



Auto Setup is now complete and your TV is ready for viewing.

Using the On Screen Displays

Many features available on this TV can be accessed via the On Screen Display menu.

■How to use remote control

Move the cursor / select the menu item

Access the menu / store settings after adjustments have been made or options have been set

MENU — Open the main menu

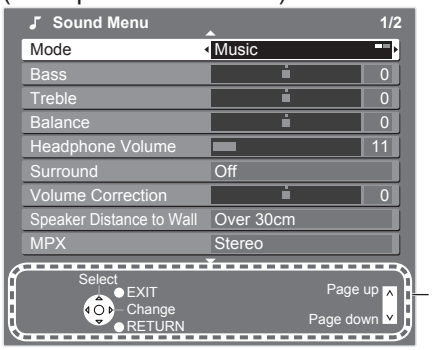
Move the cursor / adjust levels / select from a range of options

BACK/RETURN — Return to the previous menu

EXIT — Exit the menu system and return to the normal viewing screen

■ON SCREEN HELP Instructions box - Operation guide

(example: Sound Menu)



Operation guide will help you.

Note

- If tuning has failed ➡ “Auto Setup” (p. 16 and p. 17)
- To initialize all settings ➡ “Shipping Condition” (p. 19)
- If you turned the TV Off during Standby mode last time, the TV will be in Standby mode when you turn the TV On with Mains power On / Off switch.

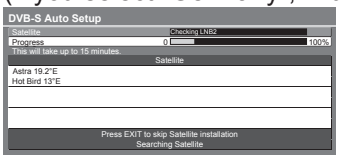
■Auto Setup varies depending on the country you select

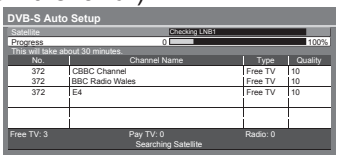
Depending on the country you select, you may be required to select the Favourite Network or Region.

- Search Mode
  (if you select “Germany”, “Austria”, “Switzerland”, “Sweden” or “Finland”)

①select mode
②set

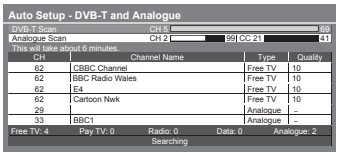
- DVB-S Auto Setup
  (if you select “Germany”, “Austria” or “Switzerland”)

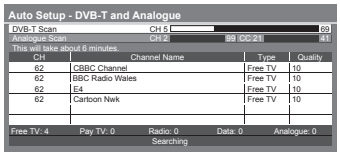


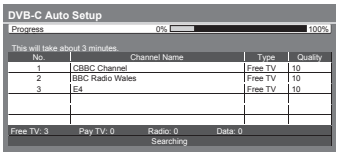


Satellite Search:
If you have only one LNB (not having DiSEqC control antenna system), you can skip this step by pressing the EXIT button.

- Analogue Auto Setup
- DVB-T Auto Setup
  (if you select a country except “Portugal”, “Poland”, “Hungary” and “E.Eu”)
- DVB-C Auto Setup
  (if you select “Sweden” or “Finland”)







■If you select “Shop” by mistake

Return to viewing environment selection by pressing the RETURN button.

BACK/RETURN

Select “Home”

Auto Setup is complete

①select
②set

- If you set to “Off” or “On” in this menu the TV will be in “Shop” viewing environment. To return to “Home” viewing environment initialise all settings by accessing Shipping Condition.
  ➡ “Shipping Condition” (p. 19)

How to Use Menu Functions

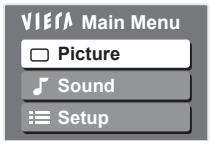
Various menus allow you to make settings for the picture, sound, and other functions.

1 Display the menu

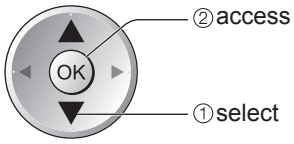
MENU

- Displays the functions that can be set (varies according to the input signal)

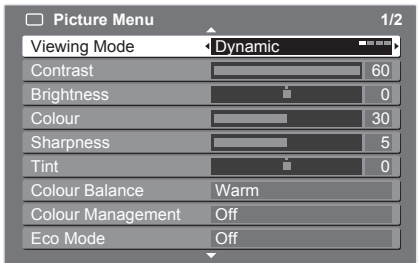
2 Select the menu



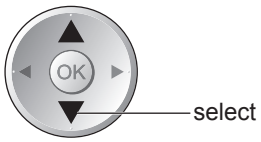
(example: Picture Menu)



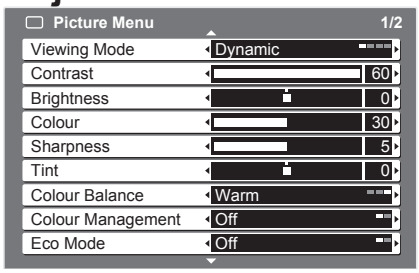
3 Select the item



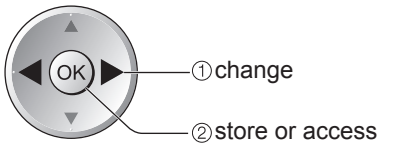
(example: Picture Menu)



4 Adjust or select



(example: Picture Menu)



■To return to TV at any time

EXIT

■To return to the previous screen

BACK/
RETURN

■To change menu pages

up

down

■Choose from among alternatives

Number and positions of alternatives

Changed

■Adjust using the slide bar

Moved

■Go to the next screen

Displays the next screen

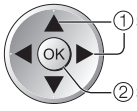
■To reset the settings

- To reset the picture settings only
  ➡ "Reset to Defaults" in the Picture Menu (p. 14)
- To reset the sound settings only
  ➡ "Reset to Defaults" in the Sound Menu (p. 15)
- To initialize all settings
  ➡ "Shipping Condition" in the Setup Menu (p. 19)

■Enter characters by free input menu

You can enter names or numbers freely for some items.

Set characters one by one



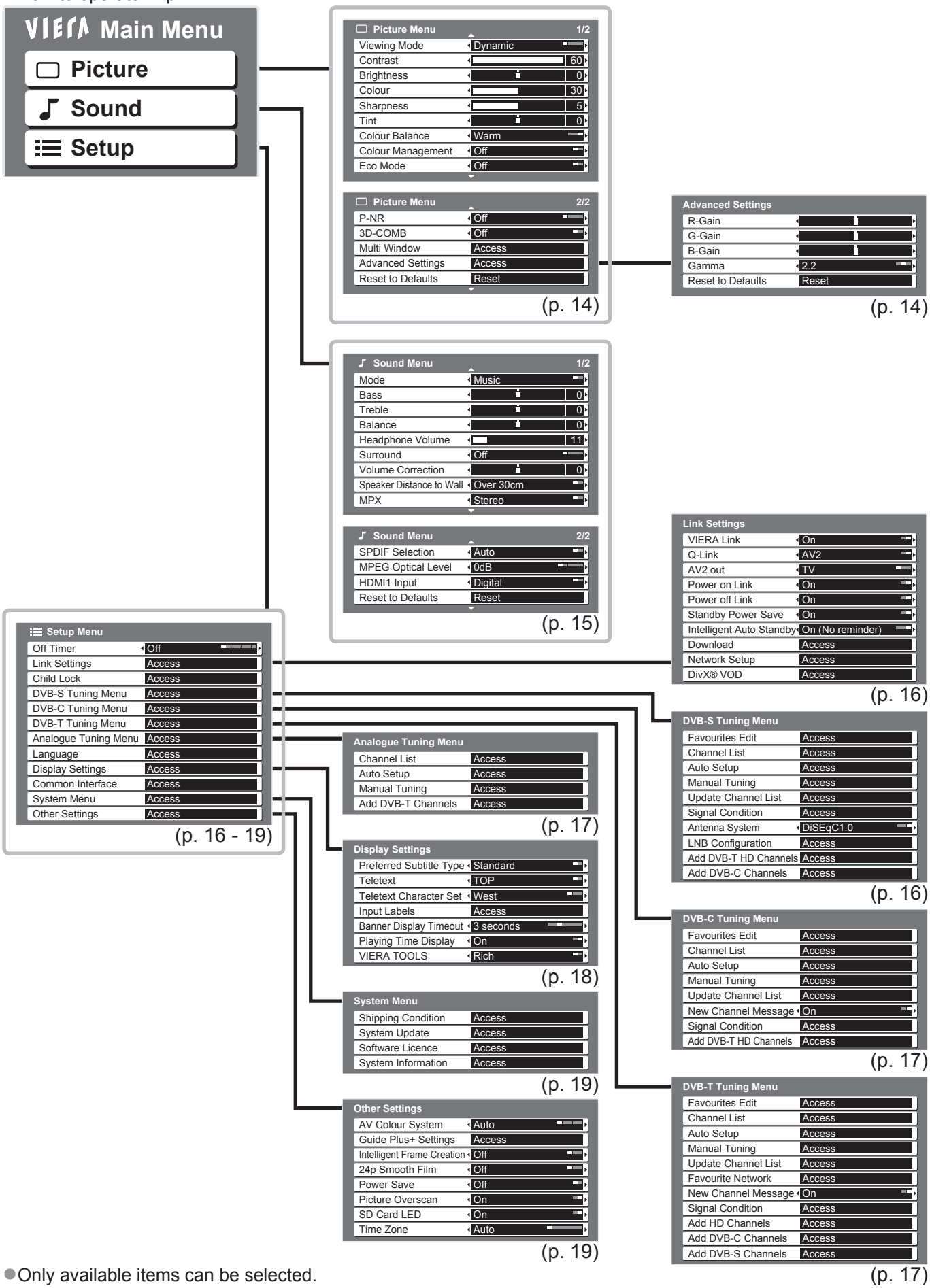
Store

BACK/
RETURN

- You can set characters by using numeric buttons.

■Overview

●How to operate ➡ p. 12



●Only available items can be selected.

How to Use Menu Functions

■Menu list

Menu	Item		Adjustments / Configurations (alternatives)
Picture	**Viewing Mode**		Basic picture mode **(Dynamic / Normal / Cinema / Game)** ●Set for each input signal Dynamic : Provides enhanced picture contrast and sharpness when viewing in a bright room Normal : Recommended for viewing under normal ambient room lighting conditions Cinema : For watching movies in a darkened room producing a cinema-like picture Game : Fast response signal specifically to provide suitable images for playing games ●Not valid on TV mode ●A continuous record of time spent using Game mode can be displayed in the top right of the screen. ➡ “Playing Time Display” (p. 18)
	Contrast, Brightness, Colour, Sharpness		Increases or decreases the levels of these options according to your personal preference
	Tint		With an NTSC signal source connected to the TV, the picture hue can be adjusted to suit your taste ●For NTSC signal reception only
	Colour Balance		Allows you to set the overall colour tone of the picture **(Cool / Normal / Warm)**
	Colour Management		Automatically adjusts colours to vivid ones **(Off / On)** ●Not valid on PC signal
	Eco Mode		Adjusts picture settings automatically dependent on ambient lighting conditions **(Off / On)**
	P-NR		Picture Noise Reduction Automatically reduces unwanted picture noise and flicker noise in the contoured parts of a picture **(Off / Min / Mid / Max)** ●Not valid on PC signal
	3D-COMB		Occasionally, whilst viewing still or slow moving pictures, colour patterning may be seen Set to “On” to display sharper and more accurate colours **(Off / On)** ●For PAL or NTSC signal reception only ●Not valid on RGB, S-Video, Component, PC, HDMI and SD Card
	Multi Window		Displays two windows at once
	Advanced Settings	**R-Gain**	Adjusts the white balance for red areas ●For PC input mode or when “Viewing Mode” is set to “Normal” / “Cinema”
		G-Gain	Adjusts the white balance for green areas ●For PC input mode or when “Viewing Mode” is set to “Normal” / “Cinema”
		B-Gain	Adjusts the white balance for blue areas ●For PC input mode or when “Viewing Mode” is set to “Normal” / “Cinema”
		Gamma	Switches the gamma curve **(2.0 / 2.2 / 2.5)** ●For PC input mode or when “Viewing Mode” is set to “Normal” / “Cinema”
		Reset to Defaults	Press the OK button to reset to the default Advanced Settings ●For PC input mode or when “Viewing Mode” is set to “Normal” / “Cinema”
	Reset to Defaults		Press the OK button to reset the present Picture Viewing Mode to the default settings

Menu	Item	Adjustments / Configurations (alternatives)
Sound	**Mode**	Basic sound mode **(Music / Speech)**
	Bass	Increases or decreases level to enhance or minimise lower, deeper sound output
	Treble	Increases or decreases level to enhance or minimise sharper, higher sound output
	Balance	Adjusts volume level of right and left speakers
	Headphone Volume	Adjusts the volume of the headphones
	Surround	Surround sound settings **(Off / V-Audio / V-Audio Surround / V-Audio ProSurround)** V-Audio: Provides a dynamic enhancer of width to simulate improved spatial effects V-Audio Surround: Provides a dynamic enhancer of width and depth to simulate improved spatial effects V-Audio ProSurround: Provides a more progressive enhancer and reverberation to simulate improved spatial effects. ●Switching is also possible by the Surround button on the remote control.
	Volume Correction	Adjusts the volume of individual channel or input mode
	Speaker Distance to Wall	Adjusts the low frequency sound **(Over 30cm / Up to 30cm)** ●If the back space between the TV and wall is over 30 cm, “Over 30cm” is recommended. ●If the back space between the TV and wall is within 30 cm, “Up to 30cm” is recommended.
	MPX	Select stereo / monaural **(Mono / Stereo)** ●Normally: Stereo ●Stereo signal cannot be received: Mono ●M1 / M2: Available while mono signal is transmitted ●Analogue mode only
	SPDIF Selection	Selects the initial setting for digital audio output signal from DIGITAL AUDIO OUT terminal **(Auto / PCM)** Auto : Dolby Digital Plus and Dolby Digital are output as Dolby Digital Bitstream. HE-AAC (48 kHz) is output as DTS. MPEG is output as PCM. PCM : Digital output signal is fixed to PCM. ●For DVB mode, Network movie contents or Movie View Mode
	MPEG Optical Level	Normally, MPEG sound is larger comparing with the other types of audio track You can adjust the audio level of MPEG output from DIGITAL AUDIO OUT terminal as the initial setting **(0 / -2 / -4 / -6 / -8 / -10 / -12dB)** ●DVB mode only
	HDMI1 Input	Select to fit the input signal **(Digital / Analogue)** Digital : HDMI cable connection Analogue : HDMI-DVI adapter cable connection ●HDMI input mode only ●HDMI2 / 3 / 4 terminals are for digital signal only ●No setting for HDMI2 / 3 / 4 available
	Reset to Defaults	Press the OK button to reset the present Sound Mode to the default settings

●A different menu will be displayed in the mode of PC input, SD Card or Network service operations.
●Only available items can be selected.

How to Use Menu Functions

■Menu list

Menu	Item		Adjustments / Configurations (alternatives)
Setup	**Off Timer**		Sets the time the TV automatically turns Off **(Off / 15 / 30 / 45 / 60 / 75 / 90 minutes)**
	Link Settings	**VIERA Link**	Sets to use VIERA Link functions **(Off / On)**
		Q-Link	Selects which AV terminal is to be used for data communication between this TV and a compatible recorder **(AV1 / AV2)** ●Select the connected terminal to the recorder even it is not compatible with Q-Link.
		AV1 / AV2 out	Chooses the signal to be transmitted from the TV to Q-Link **(TV / AV1 / AV2 / Monitor)** ●Monitor: Image displayed on screen ●Component, PC and HDMI signals cannot be outputted.
		Power on Link	Sets to use Power on Link function **(Off / On)**
		Power off Link	Sets to use Power off Link function **(Off / On)**
		Standby Power Save	Controls the power consumption in Standby mode of the connected equipment to reduce the consumption **(Off / On)** ●This function is available when “VIERA Link” is set to “On” and “Power off Link” is set to “On”.
		Intelligent Auto Standby	Makes non-watched or non-used connected equipment go into Standby mode to reduce the power consumption **(Off / On (With reminder) / On (No reminder))** ●This function is available when “VIERA Link” is set to “On”.
		Download	Downloads channel, language, country / region settings to a Q-Link or VIERA Link compatible equipment connected to the TV ●DVB-S and DVB-C channel settings cannot be downloaded.
		Network Setup	Sets the network setting to use in your network environment
		DivX® VOD	Displays DivX VOD registration code
	Child Lock		Locks a channel / AV input to prevent access to it
	DVB-S Tuning Menu	**Favourites Edit**	Creates list of favourite DVB-S channels
		Channel List	Skips the unwanted DVB-S channels or edits DVB-S channels
		Auto Setup	Automatically sets the DVB-S channels received in the area
		Manual Tuning	Sets the DVB-S channels manually
		Update Channel List	Updates DVB-S Channel List with keeping your settings
		Signal Condition	Checks the DVB-S signal condition
		Antenna System	Sets the antenna system to use plural LNBs for receiving several satellites ●This TV supports DiSEqC Version 1.0.
		LNB Configuration	Selects the satellite for each LNB
		Add DVB-T HD Channels	Retunes all TV channels to add DVB-T HD channels ●All the previous tuning settings are erased. ●Use this function if DVB-T HD services start in your area.
		Add DVB-C Channels	Retunes all TV channels to add DVB-C channels ●All the previous tuning settings are erased. ●Use this function if DVB-C services supply.

Menu		Item	Adjustments / Configurations (alternatives)
Setup	DVB-C Tuning Menu	**Favourites Edit**	Creates list of favourite DVB-C channels
		Channel List	Skips the unwanted DVB-C channels or edits DVB-C channels
		Auto Setup	Automatically sets the DVB-C channels supplied
		Manual Tuning	Sets the DVB-C channels manually
		Update Channel List	Updates DVB-C Channel List with keeping your settings
		New Channel Message	Selects whether to give a notification message when a new DVB-C channel is found
		Signal Condition	Checks the DVB-C signal condition
		Add DVB-T HD Channels	Retunes all TV channels to add DVB-T HD channels ●All the previous tuning settings are erased. ●Use this function if DVB-T HD services start in your area.
	DVB-T Tuning Menu	**Favourites Edit**	Creates list of favourite DVB-T channels
		Channel List	Skips the unwanted DVB-T channels or edits DVB-T channels
		Auto Setup	Automatically sets the DVB-T channels received in the area
		Manual Tuning	Sets the DVB-T channels manually
		Update Channel List	Updates DVB-T Channel List with keeping your settings
		Favourite Network	Selects your favourite network for each broadcasters
		New Channel Message	Selects whether to give a notification message when a new DVB-T channel is found
		Signal Condition	Checks the DVB-T signal condition
		Add HD Channels	Retunes all TV channels to add HD channels ●All the previous tuning settings are erased. ●Use this function if HD services start in your area.
		Add DVB-C Channels	Retunes all TV channels to add DVB-C channels ●All the previous tuning settings are erased. ●Use this function if DVB-C services supply.
		Add DVB-S Channels	Retunes all TV channels to add DVB-S channels ●All the previous tuning settings are erased. ●Use this function if DVB-S services start in your area.
	Analogue Tuning Menu	**Channel List**	Skips the unwanted Analogue channels or edits Analogue channels
		Auto Setup	Automatically sets the Analogue channels received in the area
		Manual Tuning	Sets the Analogue channels manually
		Add DVB-T Channels	Retunes all TV channels to add DVB-T channels ●All the previous tuning settings are erased. ●Use this function if DVB-T services start in your area.

●A different menu will be displayed in the mode of PC input, SD Card or Network service operations.
●Only available items can be selected.

How to Use Menu Functions

■Menu list

Menu	Item		Adjustments / Configurations (alternatives)
Setup	Language	**OSD Language**	Changes language for on-screen displays
		Preferred Audio 1 / 2	Selects the first and second preferred language for DVB multi audio (depending on the broadcaster)
		Preferred Subtitles 1 / 2	Selects the first and second preferred language for DVB subtitles (depending on the broadcaster)
		Preferred Teletext	Selects the preferred language for DVB teletext service (depending on the broadcaster)
	Display Settings	**Preferred Subtitle Type**	Selects the preferred subtitle type **(Standard / Hard of Hearing)** ●“Hard of Hearing” provides aids in understanding and enjoyment with DVB subtitles (depending on the broadcaster). ●“Preferred Subtitles 1 / 2” in “Language” are given priority.
		Teletext	Teletext display mode **(TOP (FLOF) / List)**
		Teletext Character Set	Selects teletext language **(West / East1 / East2)** ●West: English, French, German, Greek, Italian, Spanish, Swedish, Turkish, etc. ●East1: Czech, English, Estonian, Lettish, Rumanian, Russian, Ukrainian, etc. ●East2: Czech, Hungarian, Lettish, Polish, Rumanian, etc.
		Input Labels	Labels or skips each input terminal
		Banner Display Timeout	Sets how long the Information banner stays on screen **(0 (No display) / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 seconds)**
		Playing Time Display	Set to “On” to display a continuous record of time spent using Game mode every 30 mins **(Off / On)** ●This function is available when “Game” is selected in “Viewing Mode” (p. 14).
		VIERA TOOLS	Selects the display type of the VIERA TOOLS feature icons **(Rich / Quick)** Rich : animated rich design display type Quick : simple design display type
	Common Interface		Uses include to watch pay-TV

Menu	Item			Adjustments / Configurations (alternatives)
Setup	System Menu	**Shipping Condition**		Resets all settings, for example, when moving house
		System Update		Downloads new software to TV
		Software Licence		Displays the software licence information
		System Information		Displays the system information of this TV
	Other Settings	**AV Colour System**		Selects optional colour system based on video signals in AV mode **(Auto / PAL / SECAM / M.NTSC / NTSC)**
		GUIDE Plus+ Settings	**Update**	Performs the update of the GUIDE Plus+ schedule and advertising informations for the GUIDE Plus+ system
			Postcode	Sets your postcode to display advertisements in the GUIDE Plus+ system
			System Information	Displays the system information of the GUIDE Plus+ system
		Intelligent Frame Creation		Automatically compensates the picture frame rate to make the image smooth **(Off / Mid / Max)** ●Not valid on 24p signal ●Set to “Off” if noise is generated on the screen.
		24p Smooth Film		Automatically compensates the picture frame rate to make the image smooth **(Off / Mid / Max)** ●24p signal input only ●Set to “Off” if noise is generated on the screen.
		Power Save		Reduces brightness of picture to economise on power consumption **(Off / On)**
		Picture Overscan		Selects the screen area displaying the image **(Off / On)** On : Enlarged the image to hide the edge of the image. Off : Displayed the image in the original size. ●Set to “On” if noise is generated on the edge of the screen. ●This function is available when aspect is set to Auto (16:9 signal only) or 16:9. ●This function can be memorized separately for SD (Standard definition) and HD (High definition) signals.
		SD Card LED		Lights blue LED while SD Card is inserted **(Off / On)**
		Time Zone		Adjusts the time data ●The time data will be corrected based on GMT. ●Set to “Auto” to adjust the time automatically according to your area.

●A different menu will be displayed in the mode of PC input, SD Card or Network service operations.
●Only available items can be selected.

Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

	TX-L32V10E	TX-L37V10E
Power Source	AC 220-240 V, 50 / 60 Hz	
Power Consumption	160 W	187 W
Power Consumption in Standby mode	0.3 W (Without monitor out recording) 44 W (With monitor out recording)	

- This equipment complies with the EMC standards listed below.
  EN55013, EN61000-3-2, EN61000-3-3, EN55020, EN55022, EN55024.

Notice for DVB functions

- Any functions related to DVB (Digital Video Broadcasting) will work in areas where DVB-T (MPEG2 and MPEG4-AVC(H.264)) digital terrestrial broadcasting are received, where DVB-C (MPEG2 and MPEG4-AVC(H.264)) digital cable services are supplied or where DVB-S (MPEG2 and MPEG4-AVC(H.264)) digital satellite broadcasting are received.
  Consult your local dealer with coverage areas or your cable provider to access.
- DVB functions may not be available in some countries or areas.
- Some functions may not be available in some countries or areas.
- Some functions may not be available with some cable provider.
- Some functions may not be available with some satellites.
- This TV has the capability for DVB specifications. But future DVB services cannot be guaranteed.

Up to 60,000 hours LCD Panel Lifetime

The LCD display panel used in the 2009 VIERA TV range is rated for up to 60,000 hours.*

*This measurement is based on the time taken for the brightness of the panel to reduce to half of it's maximum level. The time taken to reach this level may vary depending on the image content and the environment where the TV is used. Malfunctions are not taken into account.

Customer's Record

The model number and serial number of this product may be found on its rear panel. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number _____ Serial Number _____

Panasonic Corporation

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